

Message

From: Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]
Sent: 9/18/2019 12:02:31 PM
To: Bash, Jesse [Bash.Jesse@epa.gov]; Li, Emily [li.emily@epa.gov]; Hays, Michael [Hays.Michael@epa.gov]; Walker, JohnT [Walker.Johnt@epa.gov]
CC: Strynar, Mark [Strynar.Mark@epa.gov]
Subject: RE: leaf samples
Attachments: PFAS Poster Cape Fear River.pptx; Volatile PFAS Cape Fear River MJS 9-16-19.pptx

Jesse,

Mark Strynar and his folks have put together two lists of PFAS that are specific to the Chemours facility in Fayetteville.

The first (above) contains the water soluble things that have been found in the river and groundwater around the site. It also has many volatiles that can readily transform to anionic species that would have very low vapor pressures.

The second list above is volatile species alone that are released from the facility that could transform in some way to form compounds that could condense on leaf surfaces. A lot of these compounds are on the first list too.

Please let us know if you all have any other questions.

Thank you very much,

Andy

From: Bash, Jesse <Bash.Jesse@epa.gov>
Sent: Wednesday, September 18, 2019 7:47 AM
To: Li, Emily <li.emily@epa.gov>; Hays, Michael <Hays.Michael@epa.gov>; Walker, JohnT <Walker.Johnt@epa.gov>
Cc: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: FW: leaf samples

Thanks Andy,

This is great. Do you have any additional information you can share about the structure of the compounds we are looking for other than F-C bonds that may be useful for FTIR analysis?

Mike, John, or Emily,

Can we wind some refrigerator space until we can get these analyzed?

Take care,
Jesse

From: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Sent: Wednesday, September 18, 2019 6:52 AM
To: Bash, Jesse <Bash.Jesse@epa.gov>
Cc: Offenberg, John <Offenberg.John@epa.gov>; Hays, Michael <Hays.Michael@epa.gov>
Subject: leaf samples

Jesse,

I just left 9 leaf samples in 50 mL Falcon tubes on your desk.

They come from 3 separate locations around the Chemours facility in Fayetteville.

The first is from a rest stop on Rt. 40 southbound at mile marker 325 (35.435172, -78.533993).

The second is from Marshwood Lake about 1 km north of the facility (34.860911, -78.834229).

The third sample is from The Huske Lock and Dam immediately adjacent to the facility on the Cape Fear River (34.835169, -78.825288).

Each tube contains a separate species with a few leaves from different parts of the same tree. I think I was able to get at least one oak species from each location and sycamore from the Rt 40 and Huske samples.

They were all picked between 3:30 – 5:00 pm on Tuesday, September 17.

Please let me know if you need any more information.

Thank you,

Andy